



Department of
**Environment &
Conservation**

Individual Aquatic Resource Alteration Permit Ford/Blue Oval City

NRS21.238

Overview

- An Aquatic Resource Alteration Permit (ARAP) is required when physical alterations to properties of jurisdictional waters of the state, like streams, rivers, lakes or wetlands, are proposed.
- Ford Motor Company proposes to impact six streams (13,137 ft), two open water features (1.75 ac) and two wetlands (4.82 ac) for the construction of Blue Oval City for the manufacturing of electric vehicles and batteries.

[*link](#)

Impacts to WOTS

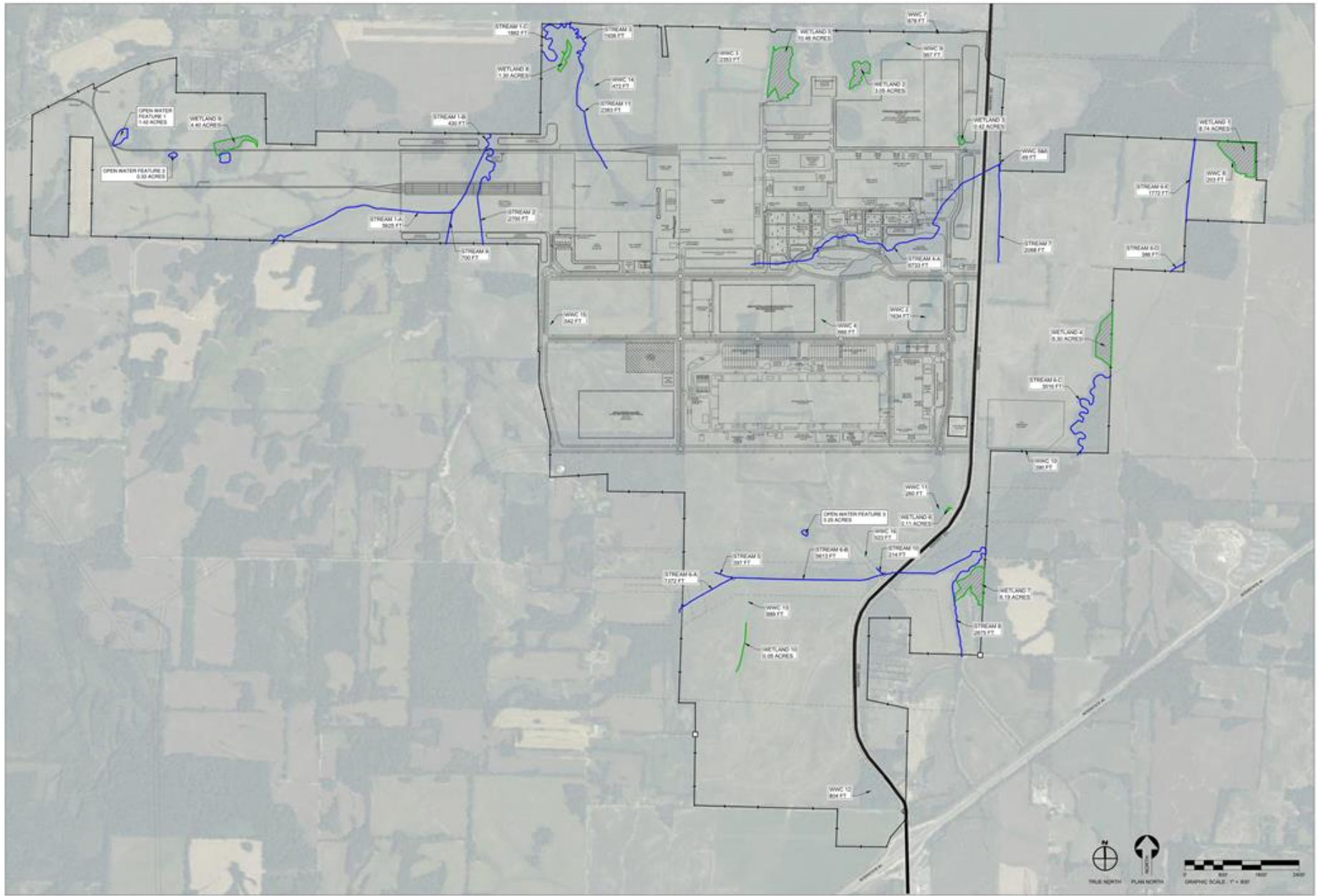
- Waters of the State to be impacted include:
 - *Little Muddy Creek*
 - *Unnamed Tributary to Big Muddy Creek*
 - *Miscellaneous Tributaries to Little Muddy Creek*
 - *Wetlands*
- Impacts to WOTS also include those associated with the mitigation site:
 - *Cub Creek*
 - *Tributaries to Cub Creek*
 - *Wetlands*

BLUE OVAL CITY

PERMITTEE: FORD MOTOR COMPANY

ARAP PERMIT #: NR521.238

NPDES PERMIT #: TN0082368



Impact Descriptions

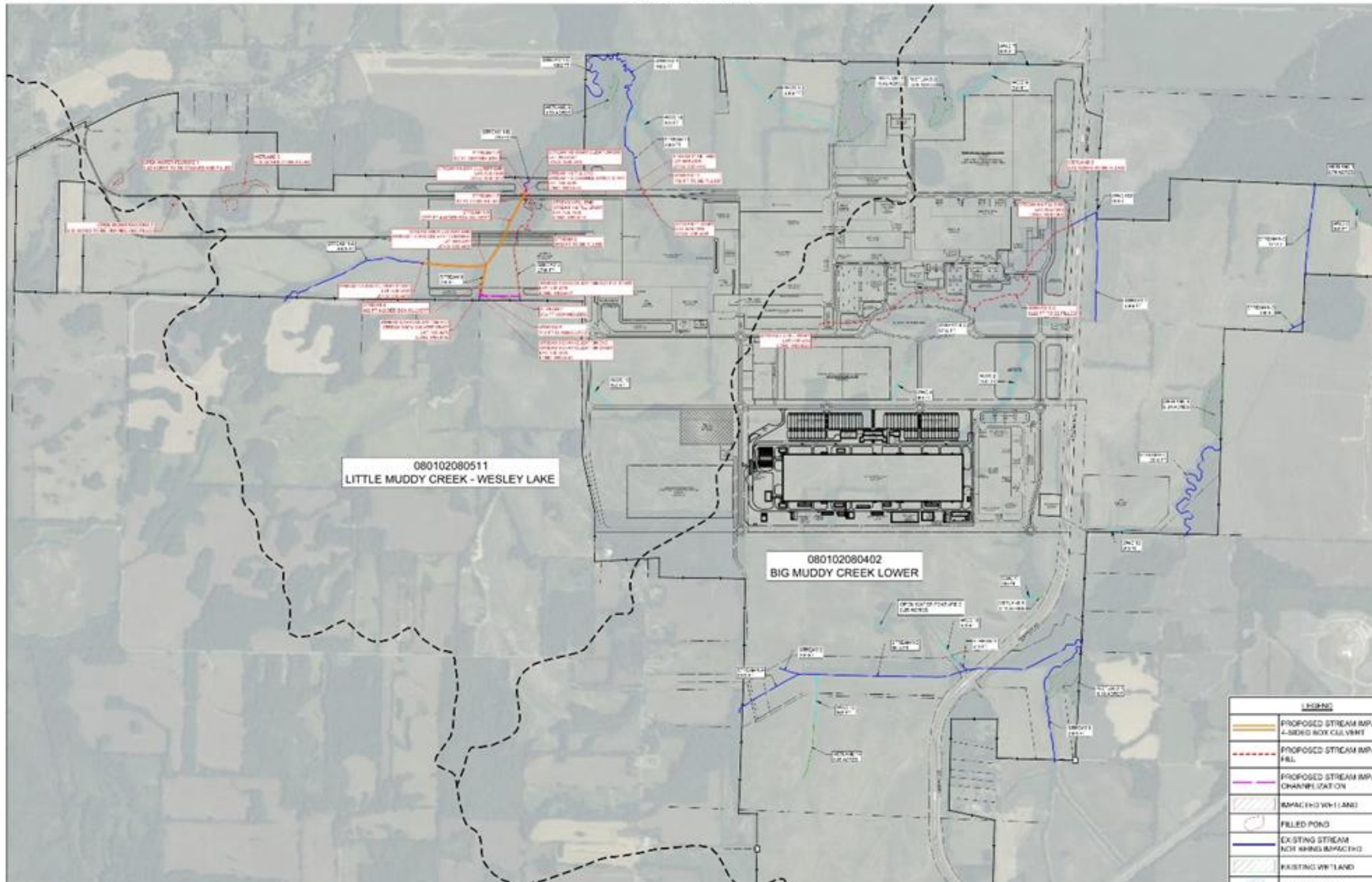
- **Stream 1-A:** encapsulate 2,777 feet of stream with a four-sided box culvert. Culvert to convey water under the railyard and discharge into stream 1-B
- **Stream 1-B:** channelize 164 feet of stream; loss of 97 feet of stream length
- **Stream 2:** fill 2,598 feet of channel; 750 feet of channel creation to convey flow to stream 9.
- **Stream 4-A:** fill 6,220 feet of stream
- **Stream 9:** channelize 113 feet of stream and encapsulate the remaining segment of stream for 482 feet.
- **Stream 11:** fill 783 feet of stream
- **Wetland 3:** fill 0.42 acres
- **Wetland 9:** fill 4.4 acres

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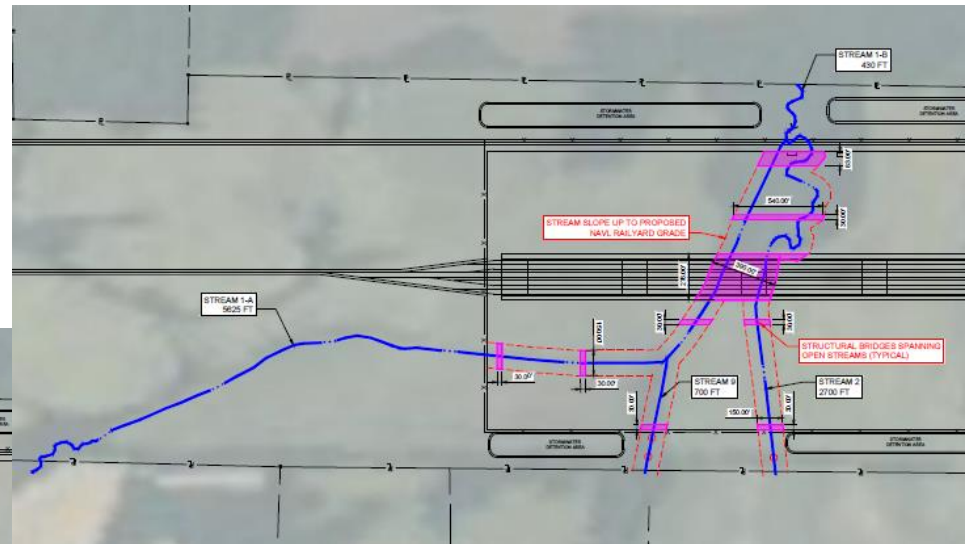
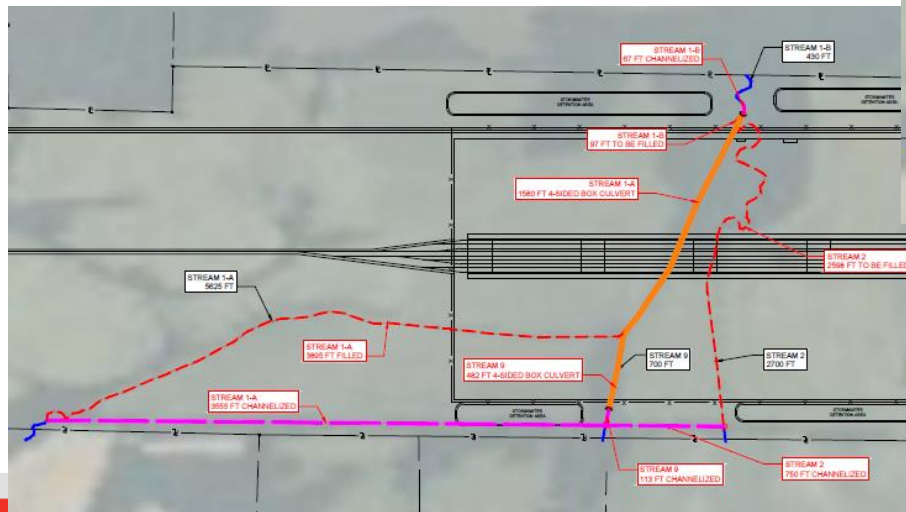
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Analysis of Alternatives

- The applicant is required to analyze alternatives - over 25 alternative project locations and site layouts were considered.



Compensatory Mitigation

- The applicant proposes to offset 4.82 acres of wetland resource loss and 1.75 acres of open water habitat resource loss through the purchase of wetland mitigation credits at Hatchie River Wetland Mitigation Bank.
- Permittee-responsible compensatory mitigation to offset 8616 functional feet of impact to streams is proposed at a location that is offsite but still in the Lower Hatchie River watershed.



Compensatory Mitigation

- The Division has made the preliminary determination that with the proposed mitigation (wetland credit purchase and stream PRM), the proposed activities will result in no more than de minimis degradation to water resource values.